

## MAIN INSTALLATION CHECKLIST

Unless otherwise noted, all code references are to 49CFR Part 192.  
If an item is marked Unsatisfactory, Not Applicable, or Not Checked, an explanation must be included in this report.

<b>Operator: AMEREN ILLINOIS COMPANY</b>	Operator ID#: 32513
<b>Inspection Date(s): 10/16/2012, 10/17/2012, 10/18/2012, 10/19/2012</b>	Man Days: 4
<b>Inspection Unit: Springfield</b>	
<b>Location of Audit: Springfield</b>	
<b>Exit Meeting Contact: Mark Mancewicz</b>	
<b>Inspection Type: Standard Inspection - Field Audit</b>	
<b>Pipeline Safety Representative(s): Charles Gribbins</b>	
<b>Company Representative to Receive Report: Michael Fuller</b>	
<b>Company Representative's Email Address: mfuller2@ameren.com</b>	

CONSTRUCTION INFORMATION		
<b>Location of Construction:</b> Pine Creek & Lake Mere Drive Springfield, Illinois	<b>Construction Performed By:</b> Ameren Illinois Crew from Lincoln Service Area	
<b>Contractor Foreman:</b>	This was an Ameren Crew	
<b>Operator Inspector:</b>	An inspector was not present on the job site.	
Person(s) On Job Site		
Mike Martinie		
<b>Description of Construction:</b> The scope of the construction site at Pine Creek and Mere Drive consisted of the installation of new plastic main for a new subdivision being built.		

MAIN INSTALLATION		Status
192.55	Steel	No
192.59	PE	Yes
192.59	Other	No
192.5	Class location :	Class 3
192.619,192.621,192.623	MAOP	60#
192.63	Pipe Size :	2"

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192.55,192.59	Specification :	ASTM D2513
192.55,192.59	Manufacturer :	Driscoplex
192.55,192.59	Pipe Grade :	PE 2406/2708
192.55,192.59	Wall Thickness :	DR 11.0
192.63(a)(2)	Are pipe, valves, and fittings properly marked for identification?	Satisfactory
<b><u>General Comment:</u></b> <i>Staff reviewed the markings on the pipe and included those marking in the report.                  2" IPS DR 11.0 Driscoplex 6500 Gas PE 2406/2708 CEE Astm D 2513 KV 314 NSF Gas U.P. Code 01-08-12.</i>		
192.227	Date of Welder qualification:	Not Applicable
<b><u>General Comment:</u></b> <i>Welding activities were not conducted as part of this construction.</i>		
192.227	Welder's Name:	Not Applicable
<b><u>General Comment:</u></b> <i>Welding activities were not conducted as part of this construction.</i>		
192.225,192.275,192.277,192.279,192.283	Is pipe joined in accordance with approved written procedures?	Satisfactory
<b><u>General Comment:</u></b> <i>Staff was present at the construction site joining activities were not being performed at the time of this inspection.</i>		
192.285	Date of Plastic Joining Qualification :	Not Checked
<b><u>General Comment:</u></b> <i>Staff was present at the construction site; no joining activities were being performed.</i>		
192.285	Joiner's name:	Not Checked
<b><u>General Comment:</u></b> <i>Staff was present at the construction site; no joining activities were being performed.</i>		
192.455	Is buried metallic pipe coated?	Not Applicable
<b><u>General Comment:</u></b> <i>Steel pipe was not being used at this construction site.</i>		
192.461	Does coating meet 192.461?	Not Applicable
<b><u>General Comment:</u></b> <i>Steel pipe was not being used at this construction site.</i>		
192.455(a)(1)	Is cathodic protection being provided?	Not Applicable
<b><u>General Comment:</u></b> <i>Steel pipe was not being used at this construction site.</i>		

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192.455(a)(1)	Is cathodic protection being provided? By Anodes:	Not Applicable
<b><u>General Comment:</u></b> <i>Steel pipe was not being used at this construction site.</i>		
192.455(a)(1)	Is cathodic protection being provided? By Rectifier:	Not Applicable
<b><u>General Comment:</u></b> <i>Steel pipe was not being used at this construction site.</i>		
192.461(c)	Is coating inspected just prior to being installed in the ditch?	Not Applicable
<b><u>General Comment:</u></b> <i>Steel pipe was not being used at this construction site.</i>		
192.467	Are pipelines electrically isolated from other underground metallic structures?	Not Applicable
<b><u>General Comment:</u></b> <i>Steel pipe was not being used at this construction site.</i>		
192.479	Are above ground facilities cleaned and coated or jacketed as needed?	Not Applicable
<b><u>General Comment:</u></b> <i>Staff did not inspect any above ground facilities there were none present at this job site main installation only at this time.</i>		
192.303	Are comprehensive written construction specifications available and adhered to?	Satisfactory
<b><u>General Comment:</u></b> <i>Staff reviewed the procedures and observed that installation of the plastic main.</i>		
192.305	Are inspections performed by the operator to check adherence to the construction specifications?	Satisfactory
<b><u>General Comment:</u></b> <i>Ameren has quality assessors the review and observe the employees to insure construction specifications are being adhered to.</i>		
192.307	Is material being visually inspected at the site of installation to ensure against damage that could impair its serviceability?	Satisfactory
<b><u>General Comment:</u></b> <i>Staff was not no site when the operator performed the visual inspection of there materials. Staff however did inquire about the inspection of material; the operator did state that they did not find any damages that would impair its serviceability.</i>		
192.319	Is ditch back-filled to provide firm support and prevent damage to pipe or coating?	Not Checked
<b><u>General Comment:</u></b> <i>Staff did not observe the backfilling at this jog site.</i>		
192.321(c)	Is plastic pipe installed as to minimize shear and tensile forces?	Satisfactory

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<b><u>General Comment:</u></b>		
<i>The pipe at this location was hand laid into an open cut trench.</i>		
192.321(e)	Does plastic pipe have means of locating while underground?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>Staff noted that the tracer wire was laid into the trench as the pipe was being lowered into the trench.</i>		
192.325	Are required clearances from underground structures being maintained?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>At this location several measurements were taken the depth of the pipe was 34" form the top of the pipe after laying it in the trench.</i>		
192.327	Is required cover being obtained appropriate to type of pipeline and location?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
<i>The distribution main was being installed in a class three location with a depth of 34" (b) Except as provided in paragraphs (c) and (d) of this section, each buried main must be installed with at least 24 inches (610 millimeters) of cover.</i>		
192.503	Are general testing requirements being met?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>Staff was not onsite when the operator performed the pressure test.</i>		
192.517	Are records being made of strength and leak tests?	<b>Not Checked</b>
<b><u>General Comment:</u></b>		
<i>Staff was not onsite when the operator preformed the pressure test or filled out the records for the pressure test.</i>		
192.807	Were covered employees Operator Qualification records reviewed to ensure qualification?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>At the time of inspection staff did not review operator qualifications.</i>		
192.805(c)	Were non-qualified personnel being "directed and observed" by a qualified individual?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>There were not any non qualified personnel on the job site.</i>		
192.805(c)	Were span of control limitations being followed?	<b>Not Applicable</b>
<b><u>General Comment:</u></b>		
<i>There were not any non qualified personnel on the job site.</i>		
Was a Protocol 9 (Form 15) Completed?		<b>No</b>
<b><u>General Comment:</u></b>		

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Staff did not complete a form 15 operator qualification protocol inspection.

192.614	Were One Call Notifications performed as required?	<b>Satisfactory</b>
<b><u>General Comment:</u></b>		
Staff observed locating marks at the job site and reviewed the JULIE dig ticket #A283149.		
192.614	Dig Ticket #	<b>JULIE number A283149</b>

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